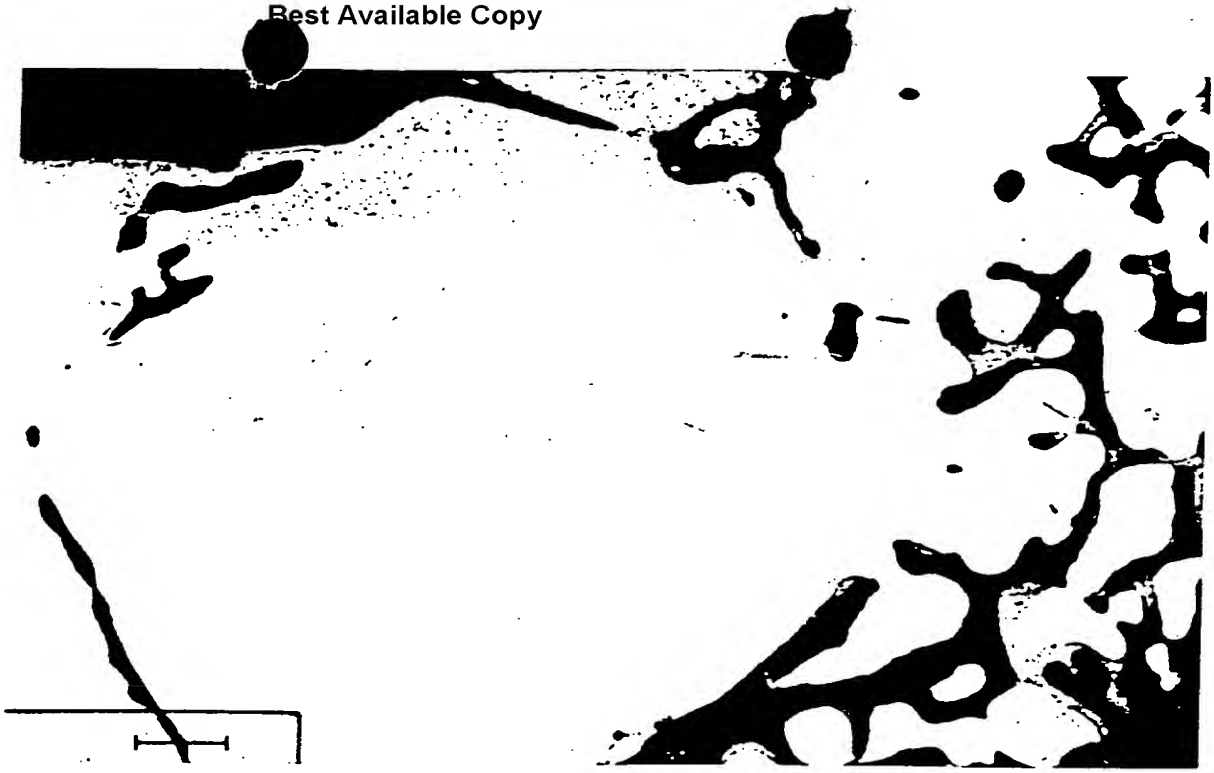


Figure 1

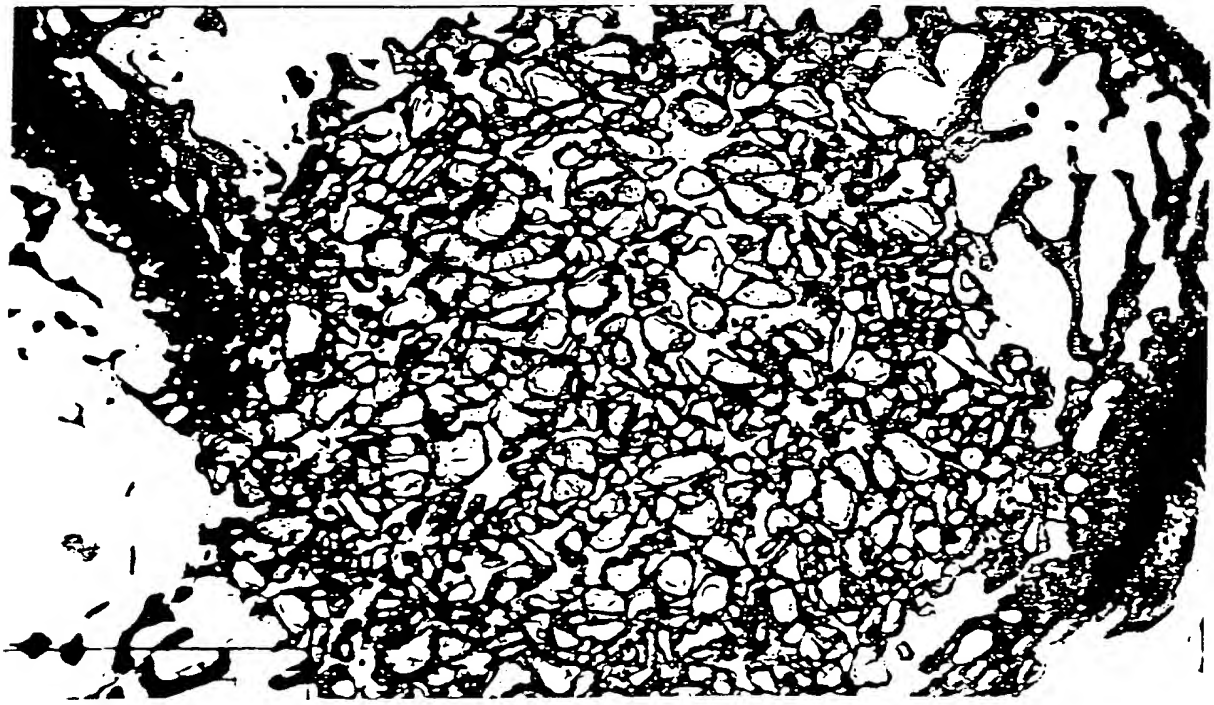
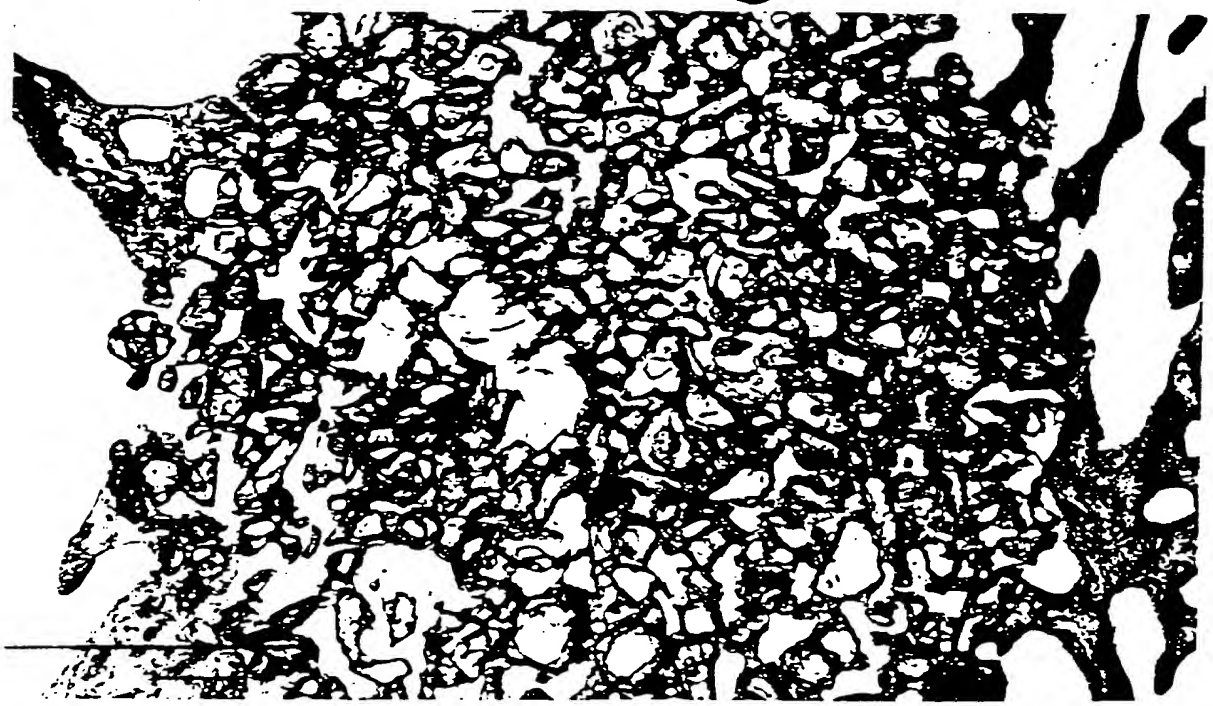


Figure 2



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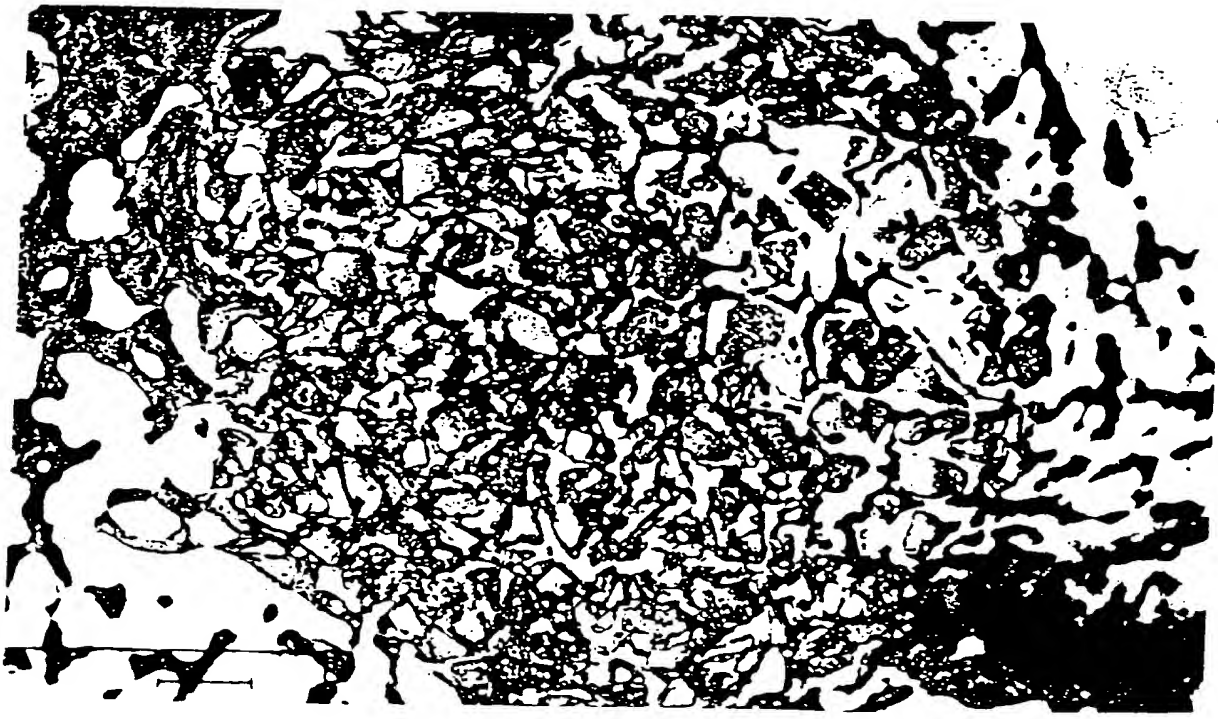

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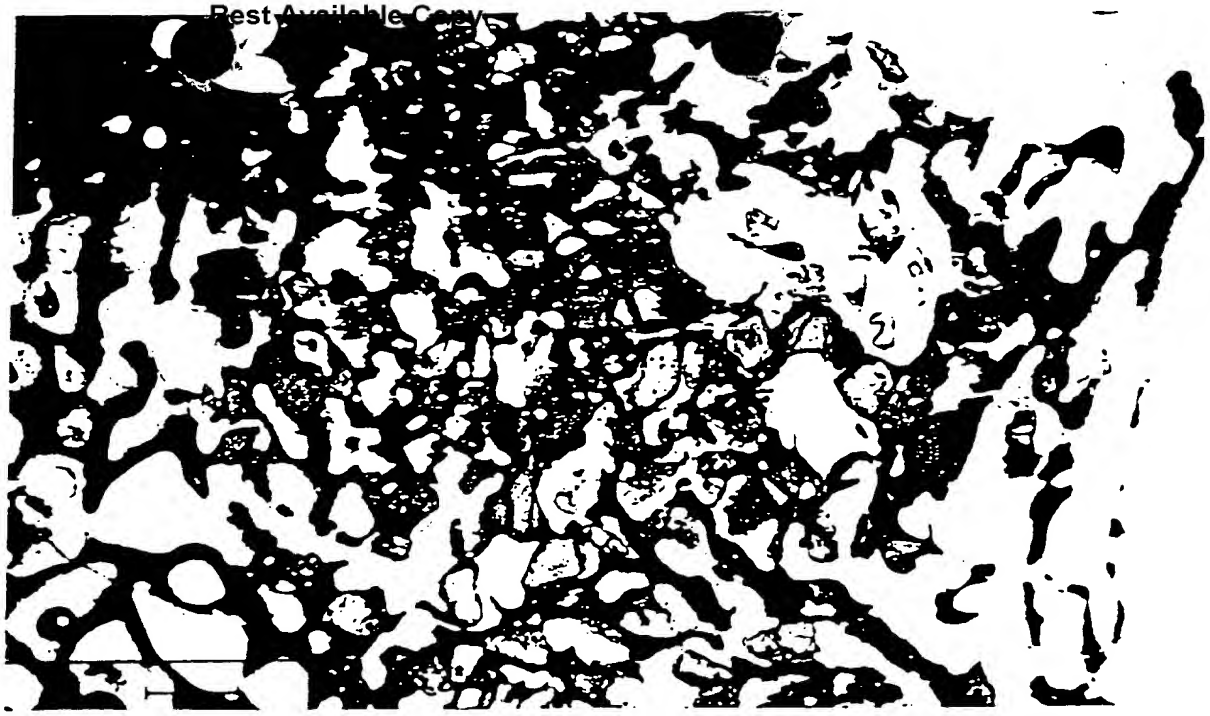

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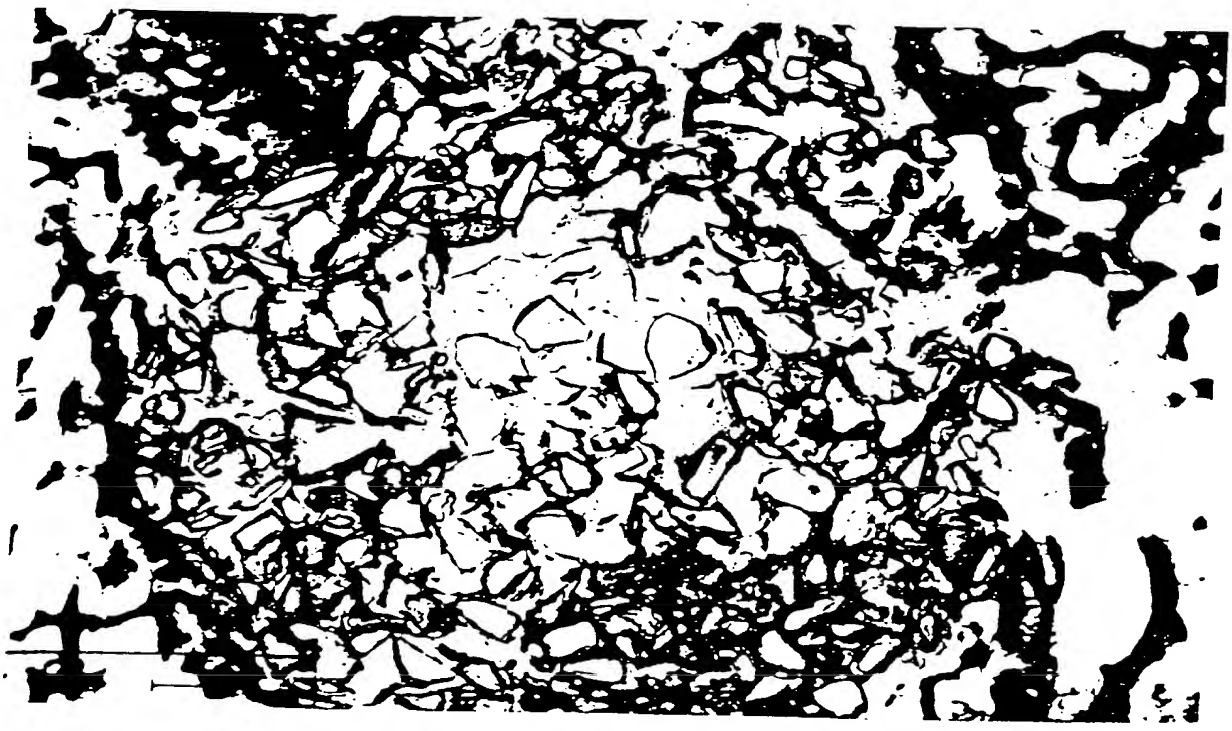

Figure 6

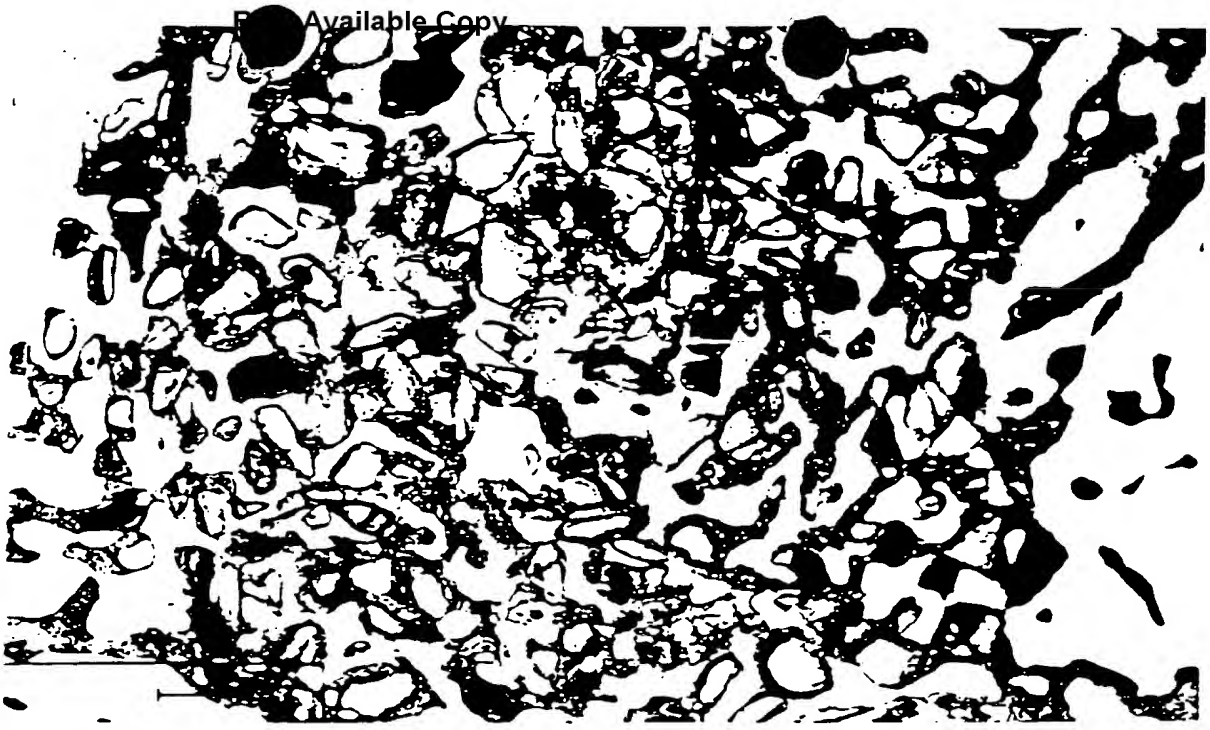

Figure 7

Figure 8

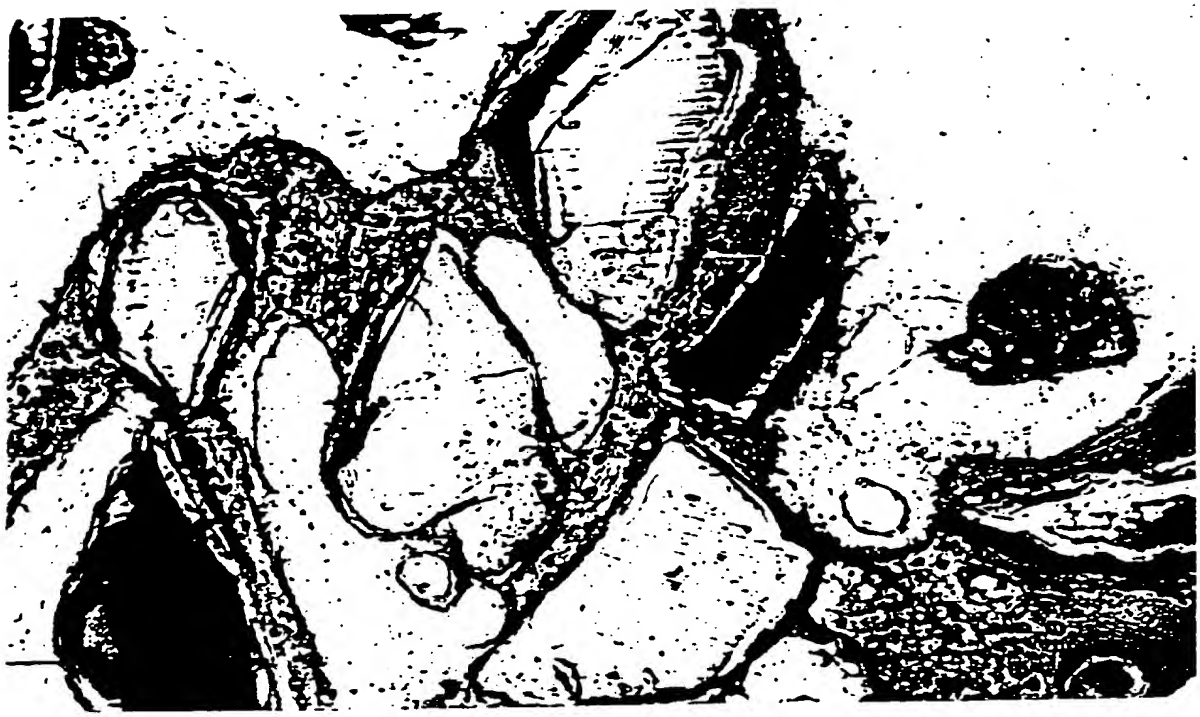

Figure 9

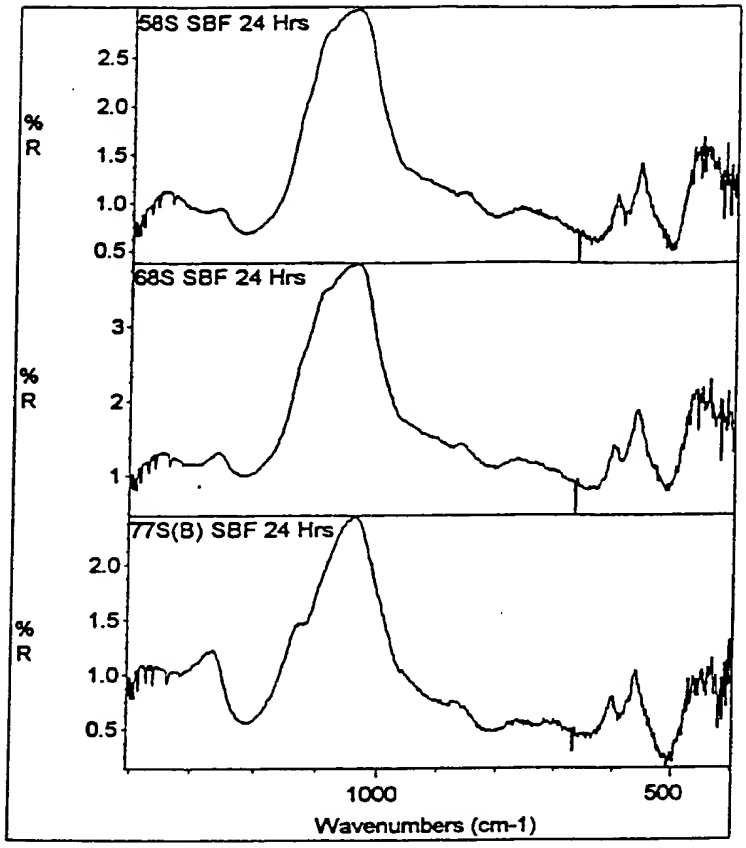

Fig. 1 FTIR Spectra of Sol-Gel Bioglasses in SBF 24 Hours

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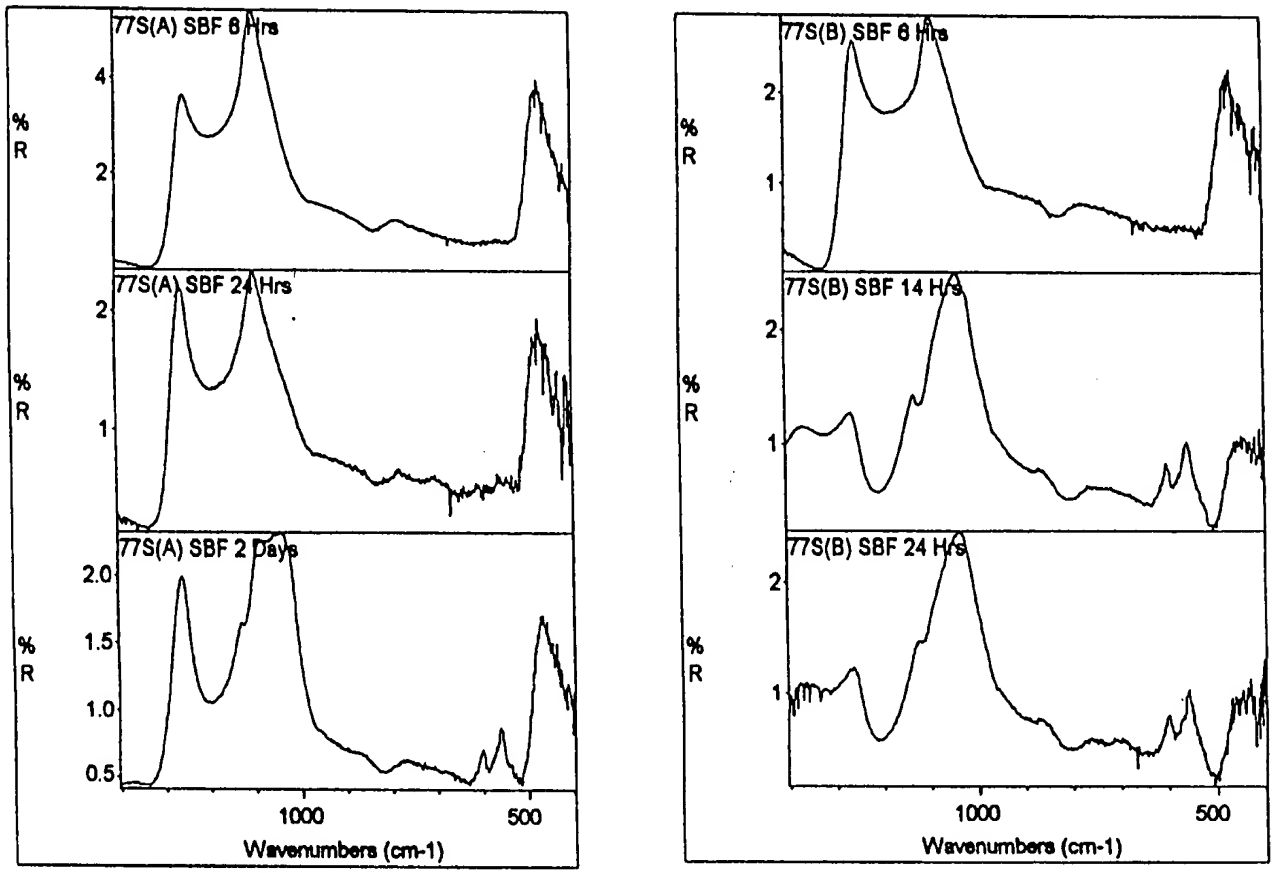

11 (A)

11 (B)

Fig. 11 FTIR Spectra of Sol-Gel Bioglass Made by Previous Method (A) and by Near-equilibrium Drying(B) in SBF at Various Times

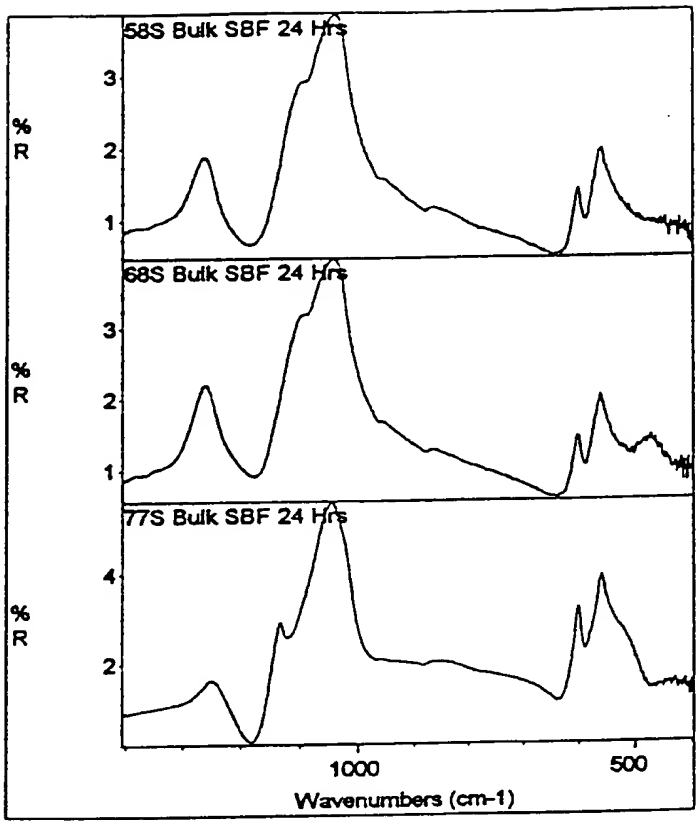

Fig. 3 FTIR Spectra of Sol-Gel Bioglass Monolith in SBF 24 Hours

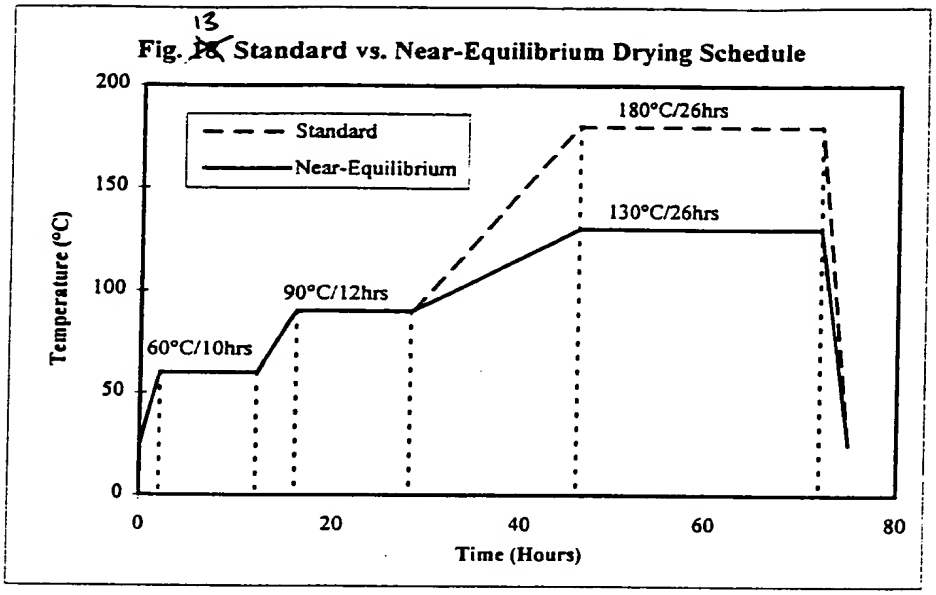
Fig. 13 Standard vs. Near-Equilibrium Drying Schedule
Standard
Near-Equilibrium
180°C/26hrs
130°C/26hrs
90°C/12hrs
60°C/10hrs
Temperature (°C)
Time (Hours)
200
150
100
50
0
0
20
40
60
80

14

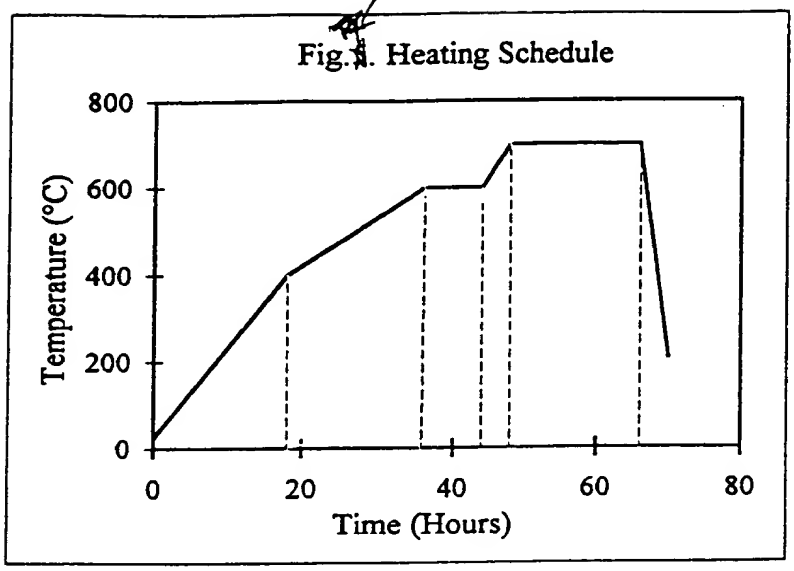

Fig. 1. Heating Schedule

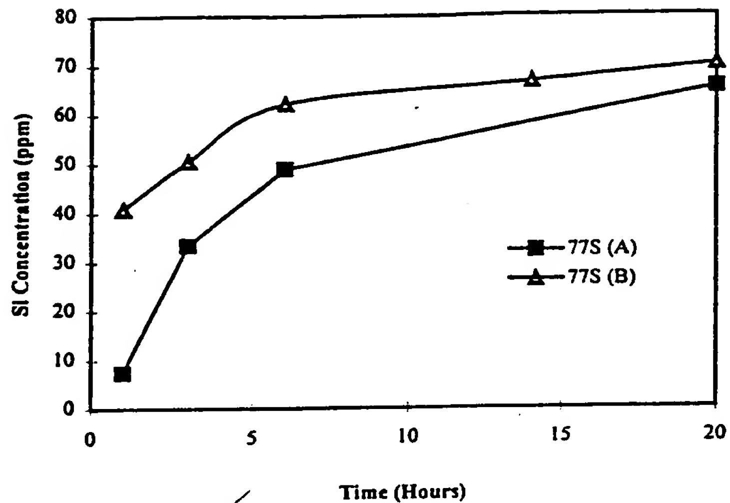

Fig. 15 Si Release of Two Particle Size of 77S

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Fig. ~~15~~ Diagram of Average Pore Size vs. Drying Temperature

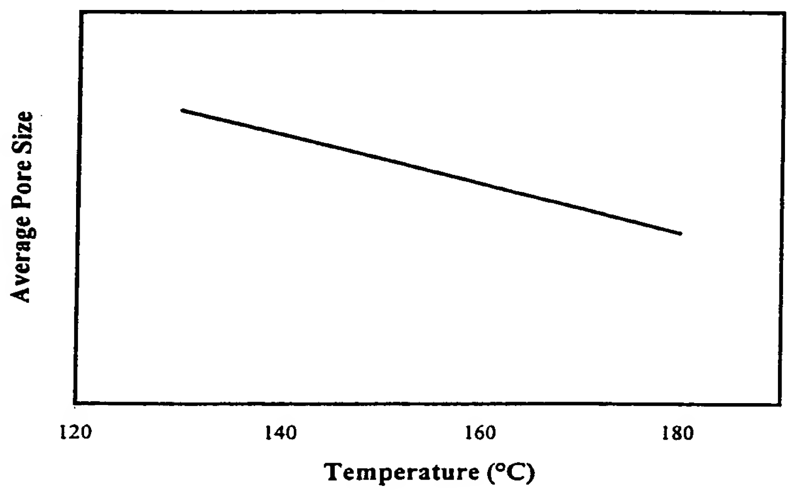

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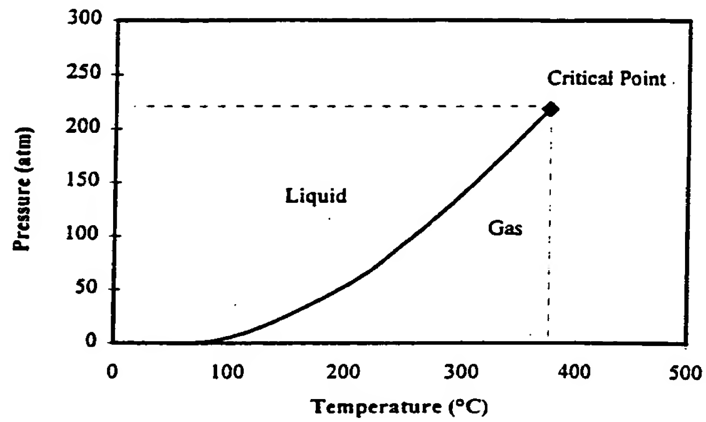
Fig. ~~24~~ Phase Diagram of Water



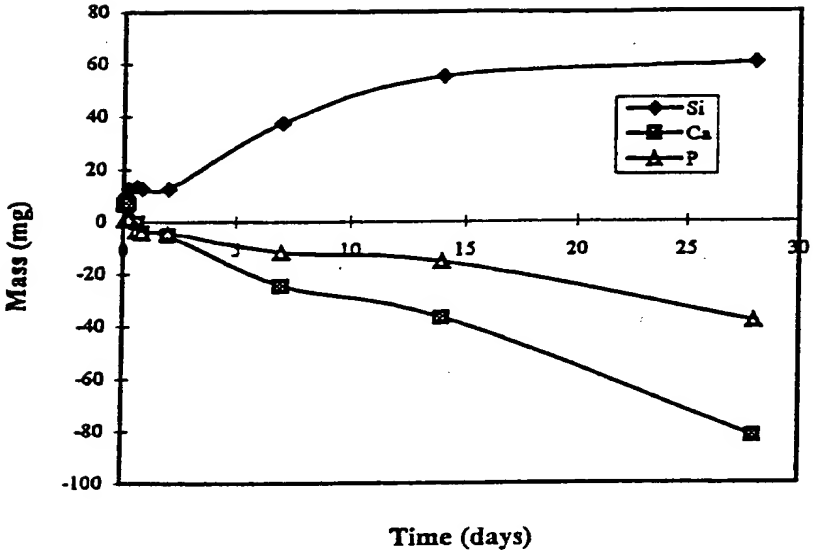


Fig. 7 Ion Release of 77S(B) in SBF

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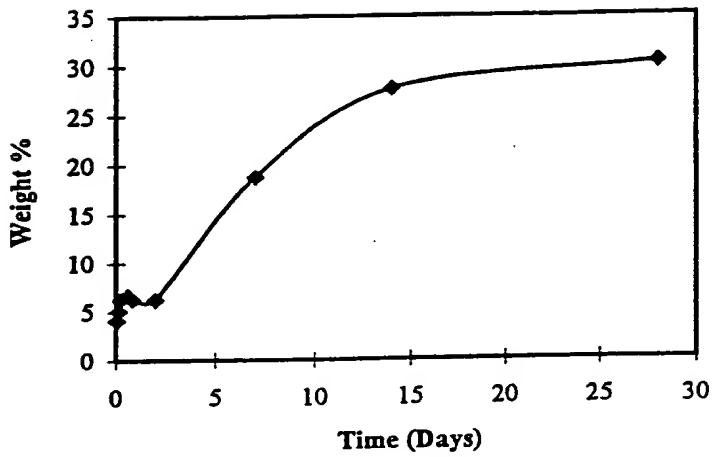

Fig. 8 Si Release of 77S(B) in SBF